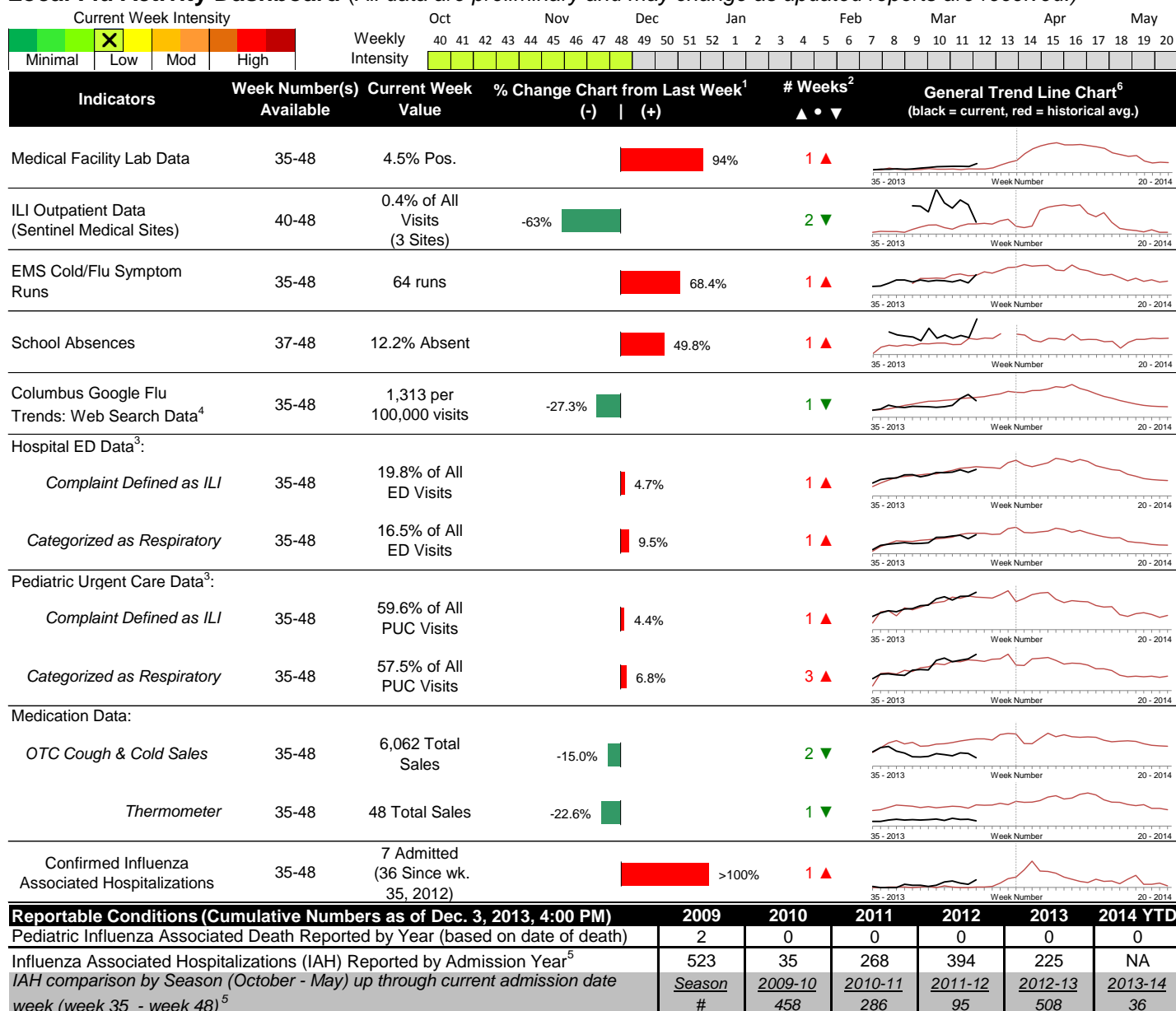


2013-2014 Columbus & Franklin County Seasonal Influenza Activity Weekly Summary (Week 48, Nov. 24th – Nov. 30th, 2013)

Highlights

- In week 48 of 2013, trends for local influenza activity indicators were mostly higher compared to last week, with some indicators above their baseline averages for this time of year.
- Geographic activity and local intensity designation (Click [here](#) for definitions) = SPORADIC, LOW
- Local medical facility labs reported 552 tests run with 25 (4.5%) positive results for week 48 of 2013.
- The percentage of ED visits for influenza-like-illness (ILI) and respiratory symptom visits both increased compared to the previous week. The percentage of ED visits for ILI and respiratory symptoms are similar to their weekly historical baseline averages for the time period.
- The trends for the majority of local over-the-counter medication sales being tracked were mixed (decrease in cough and cold, electrolyte, thermometer, and throat lozenge; increase in chest rub, pediatric anti-fever, and adult anti-fever sales) compared to last week.
- In week 48, influenza activity increased slightly in the United States. Please [visit the CDC website for specific information](#) (National data is usually updated on Friday of each week).

Local Flu Activity Dashboard (All data are preliminary and may change as updated reports are received.)



¹Interpret with caution. Indicators with small numbers subject to large weekly percentage fluctuations.

²Number of weeks "▲" = Increase (>2%), "▼" = Decrease (>2%), "●" = Stable (-2% to +2%)

³Franklin County, OH residents only (based on zipcode).

⁴Data Source: Google Flu Trends (<http://www.google.org/flutrends>), City = Columbus, OH (Experimental). See website for additional details.

⁵Confirmed cases only. Based on jurisdiction equal to Franklin County or City of Columbus and admission date available in ODRS.

⁶Black line is current years data. Based on data availability, red line is historical average (excluding pandemic year).

CDC 122-Cities Mortality Reporting System: Pneumonia and Influenza (P&I) Mortality

In week 48 of 2013, 14.0% of all Columbus deaths were attributed to pneumonia and influenza (Figure 1). Nationally, 5.8% of deaths reported were attributed to pneumonia and influenza in week 48. This national percentage is below the national epidemic threshold of 6.7% for week 48.

Influenza Morbidity and Influenza-Like Illness (ILI) Reports

The preliminary week 48 percentage of local outpatient visits for ILI at sentinel medical practice reporting sites was <1.0% (3 reporting facilities). The week 48 percentage of Emergency Department (ED) visits for ILI symptoms increased compared to the previous week (Figure 3) and is similar to the historic baseline for this week. Pediatric urgent care visits for ILI symptoms also increased compared to the previous week and is above its historic baseline for the week.

Nationally, during week 48 of 2013, 1.9% of patient visits reported through the US Outpatient Influenza-like Illness Surveillance Network (ILINet), were due to influenza-like illness (ILI). The percentage is below the national baseline of 2.0%.

Laboratory Surveillance

During week 48 of 2013, reporting Franklin County sentinel medical facility laboratories tested 552 specimens, with 25 (4.5%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2012 through week 48 of 2013 is 5,978 with 113 (1.9%) positives (59 type A, 54 type B). Nationally in week 48 of 2013, WHO and NREVSS laboratories reported 5,306 specimens tested for influenza viruses, 536 (10.1%) of which were positive ([visit the CDC website for more info](#)). The last 3 weeks national breakdown by type and subtype from CDC is shown in Table 1 below:

Table 1: U.S. Virologic Surveillance (WHO and NREVSS participating labs)

Week	A Total	A (H1)	A 2009 H1N1	A (H3)	A (H3N2v)	A (unable to sub-type)	A (Subtyping not performed)	B Total	Total # Tested	% Positive
46	468 (92.3%)	0 (0%)	248 (53%)	25 (5.3%)	0 (0%)	0 (0%)	195 (41.7%)	39 (7.7%)	6707	7.56
47	570 (91.3%)	0 (0%)	344 (60.4%)	16 (2.8%)	0 (0%)	0 (0%)	210 (36.8%)	54 (8.7%)	6956	8.97
48	501 (93.5%)	0 (0%)	213 (42.5%)	8 (1.6%)	0 (0%)	0 (0%)	280 (55.9%)	35 (6.5%)	5306	10.10

ODH lab reported results for Ohio cases that are PCR positive for seasonal influenza. Positive results: (2) A/PdH1, (1) B (through 11/23/13).

ED and Pediatric Urgent Care Respiratory Visits

In the 48th week of 2013, the percentage of both ED and Pediatric Urgent Care visits categorized as *respiratory* increased compared to the percentages seen the previous week (Figure 5). ED visits for respiratory symptoms were similar to its historic baseline average for the week, while Pediatric Urgent Care visits for respiratory symptom were above its historic baseline average for the week.

Over-the-Counter (OTC) Medication Sales and Antiviral Prescriptions

In week 48 of 2013, trends for the majority of local over-the-counter medication sales being tracked were mixed (decrease in cough and cold, electrolyte, thermometer, and throat lozenge; increase in chest rub, pediatric anti-fever, and adult anti-fever sales) compared to last week.

Additional Influenza Activity Web Links:

Ohio Seasonal Flu Surveillance: <http://www.odh.ohio.gov/features/odhfeatures/seasflu/ohfluactivity.aspx>

CDC National Seasonal Flu Surveillance Reports: <http://www.cdc.gov/flu/weekly/fluactivity.htm>

CDC International Flu Activity Map: <http://www.cdc.gov/flu/international/activity.htm>

World Health Organization Situation Updates: http://www.who.int/influenza/surveillance_monitoring/en/

Columbus & Franklin County Influenza Monitoring Summary – Week 48, 2013 (11/24/2013-11/30/2013)

**Figure 1: Percentage of Deaths attributed to Pneumonia and Influenza
Columbus, Ohio 2013-14**

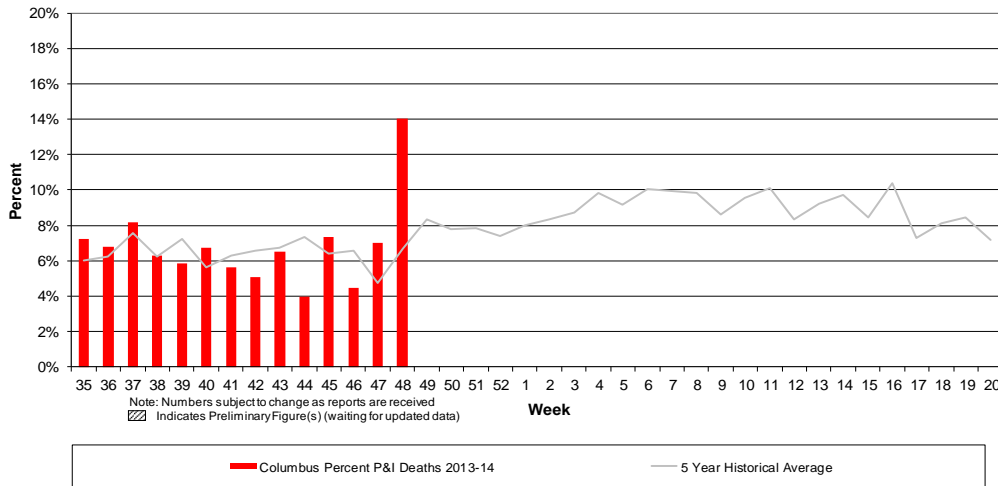


Figure 2: Percentage of Local and National ILI Outpatient Sentinel Health Care Provider Site visits, 2013-14

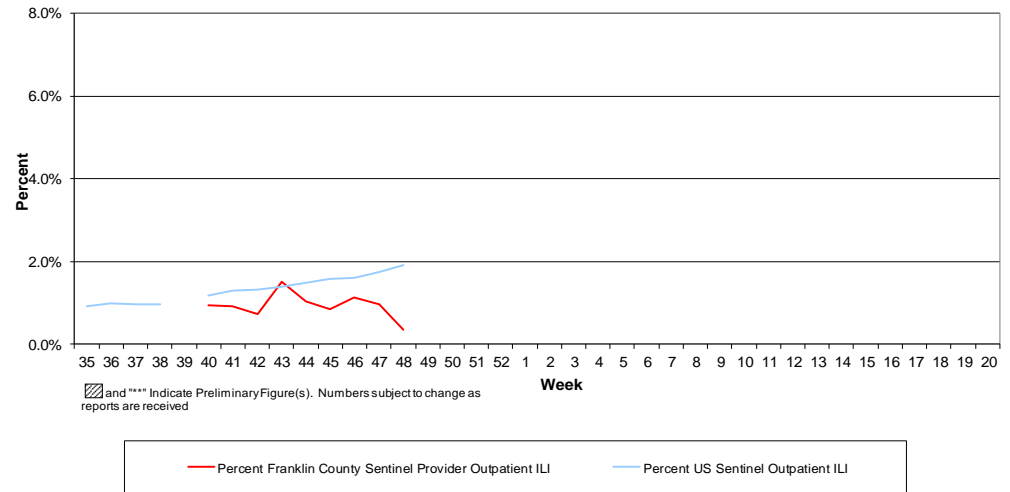


Figure 3: Franklin County Resident ILI Defined* ED and Pediatric Urgent Care Visits, 2013-14, Franklin County, OH

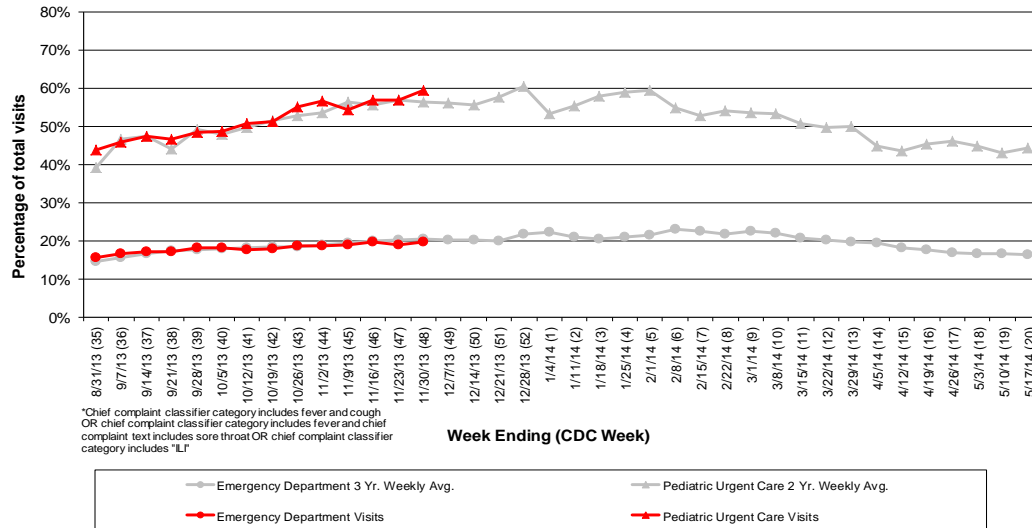
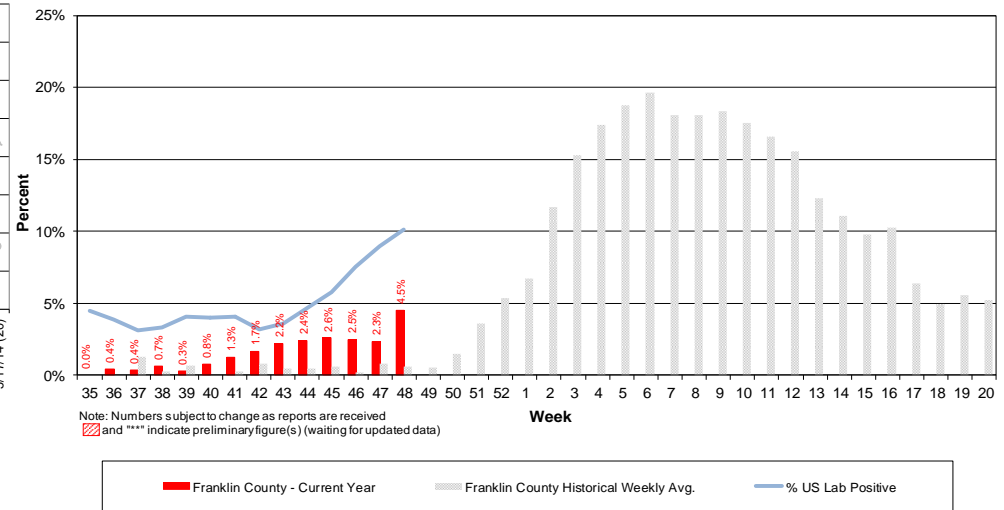


Figure 4: Percentage of Local Reporting and National Laboratory Positive Influenza Tests by Week, 2013-14



Columbus & Franklin County Influenza Monitoring Summary – Week 48, 2013 (11/24/2013-11/30/2013)

Figure 5: Franklin County Resident Respiratory ED and Pediatric Urgent Care Visits, 2013-14, Franklin County, OH

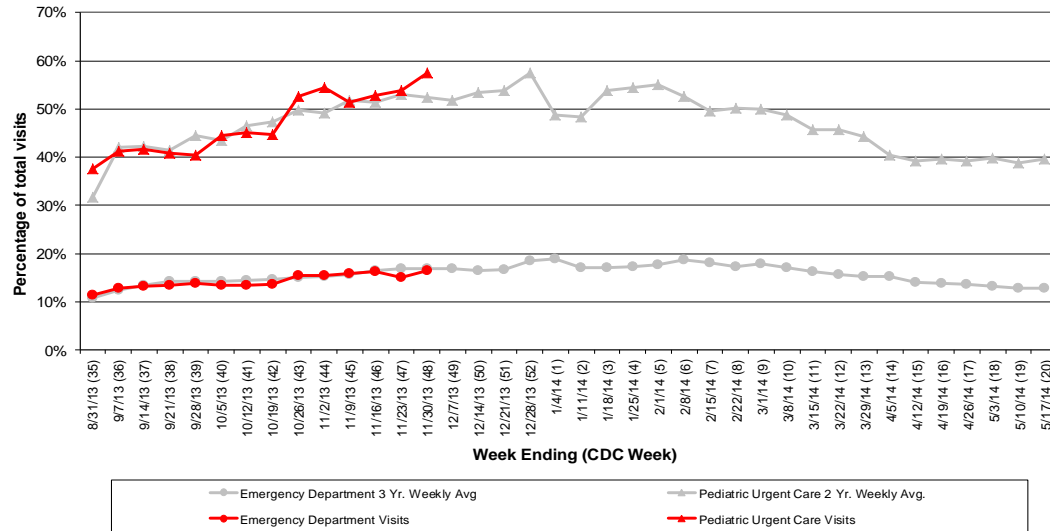


Figure 6: Selected Number of Over-the-Counter Medication Sales, 2013-14, Franklin County, OH

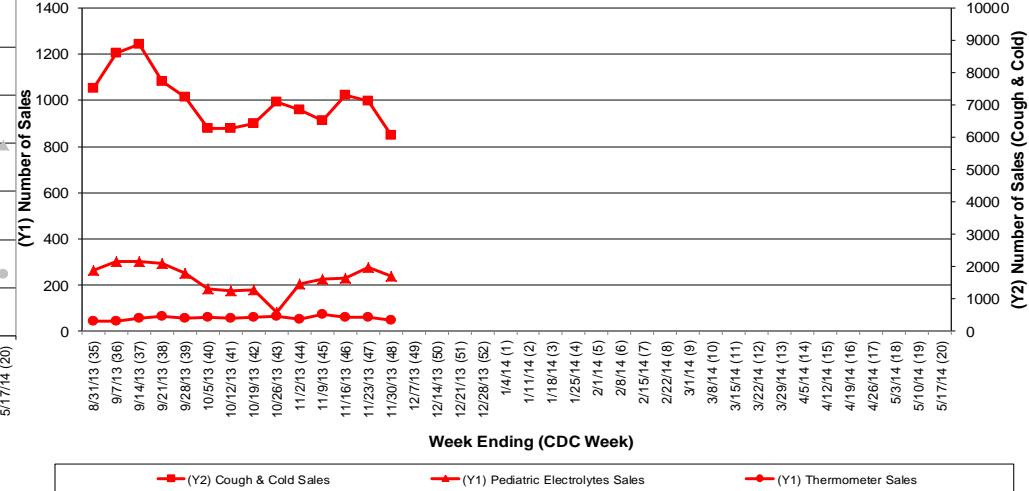
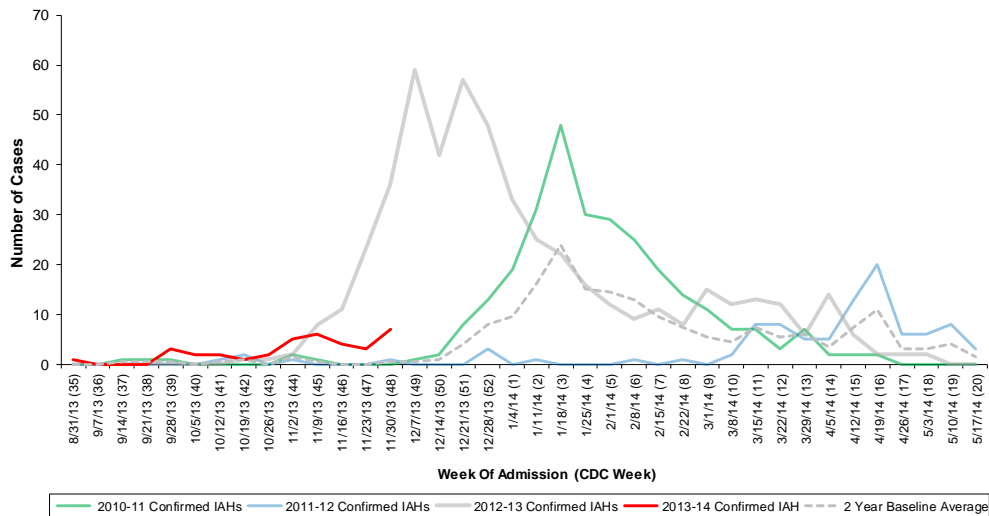


Figure 7: Franklin County Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 4:00 PM, 12/3/2013)



Franklin County, OH, Confirmed Influenza Hospitalization Cumulative Rates (per 100,000) by Age-Group and Week, 2013-2014 Season

